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**(12) United States Patent**  
**Borgström et al.****(10) Patent No.: US 6,593,908 B1**  
**(45) Date of Patent: Jul. 15, 2003****(54) METHOD AND SYSTEM FOR USING AN ELECTRONIC READING DEVICE ON NON-PAPER DEVICES**5,905,248 A 5/1999 Russell et al. .... 235/462  
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6,330,976 B1 \* 12/2001 Dymetman et al. .... 235/487**(75) Inventors:** Anders Borgström, Skanör (SE);  
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(publ), Stockholm (SE)**(\*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 153 days.**(21) Appl. No.: 09/703,325****(22) Filed: Oct. 31, 2000****Related U.S. Application Data****(60)** Provisional application No. 60/192,662, filed on Mar. 28, 2000, provisional application No. 60/190,343, filed on Mar. 16, 2000, and provisional application No. 60/182,742, filed on Feb. 16, 2000.**(51) Int. Cl.<sup>7</sup> ..... G06K 11/06****(52) U.S. Cl. .... 345/156; 178/18.01****(58) Field of Search .... 345/149, 181, 345/182, 183, 173, 175, 85, 84; 178/18, 19; 341/13, 20; 235/487, 494****(56) References Cited****U.S. PATENT DOCUMENTS**4,322,162 A 3/1982 McKelvie et al. .... 356/35.5  
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A system and method for providing user input to a device of any type uses an electronic reader. The device can be any type of physical object and includes an address pattern statically printed thereon or generated in the background of a display. By detecting a portion of the address pattern, the device can be identified and a particular location on the device can be determined. This information can be used to control or otherwise provide input to the device, such as when the device is an electronic device, or to initiate a function or store information relating to one or more detected positions of the electronic reader.

**37 Claims, 10 Drawing Sheets**